



## DECLARATION of PERFORMANCE

No. 13107

1. Unique identification code of the product type:  
**Aggregate Concrete Masonry Unit 22.5N Dense Coursing Brick 140mm**
2. Intended use: **Walls, columns and partitions**
3. Manufacturer:  
**Mansfield Sand Company Ltd (Brick Division).**  
**Crown Farm Way**  
**Forest Town**  
**Mansfield**  
**Nottinghamshire**  
**NG19 0FT**
4. AVCP: **System 4**
5. Designated Standard: **BS EN 771-3**
6. Declared performance:

Essential characteristics		Performance
Dimensions	Length mm	215
	Width mm	140
	Height mm	65
	Tolerance Category	D1
Configuration		Group 1
Compressive strength	Mean	22.5N/mm <sup>2</sup>
	Direction of Load	Bed face
	Unit category	Category 11
Dimension Stability		NPD
Bond strength	Shear bond strength	0.15N/mm <sup>2</sup> (tabulated value)
	Flexural bond strength	NPD
Reaction to fire		A1 (Commission Decision 2000/605/EC)
Water Absorption		NPD
Water vapour permeability		5/15 (tabulated value)
Direct airborne sound insulation		2,050 kg/m <sup>3</sup> Group 1
Gross Density		
Configuration; dimensions and tolerances		
Thermal conductivity		1.05 W/(mK) [ $\lambda_{10,dry}$ ] (tabulated value)
Durability against freeze/thaw		Not to be left exposed

Mansfield Sand Company Ltd (Brick Division) confirm that the product identified, is in conformity of the declared performance and complies with the requirements of BS EN 771-3 including annex ZA attestation of conformity system 4.

Signed for and on behalf of the Mansfield Sand Company Ltd:

Andrew Ward  
Technical Manager

...*A. Ward*.....  
09.08.22



**Mansfield Sand Company Ltd (Brick Division).  
Crown Farm Way, Forest Town, Mansfield, Nottinghamshire, NG19 0FT**

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**13107**

**BS EN 771-3**

**Product: Aggregate Concrete Masonry Unit 22.5N Dense Coursing Brick  
140mm**

**Intended use: Walls, columns and partitions**

**Dimensions: L:215mm, W:140mm, H:65mm**

**Dimension tolerances**

**Category: D1**

**Configuration: Group 1**

**Compressive strength: mean 22.5N/mm<sup>2</sup>**

**Reaction to fire: A1**

**Water Absorption: NPD**

**Water vapour diffusion: 5/15**

**Direct airborne sound insulation:**

**Gross dry density: 2,050 kg/m<sup>3</sup>**

**Thermal conductivity: 1.05 W/(mK) [ $\lambda_{10,dry}$ ]**

**Durability against freeze/thaw: Not to be left exposed**